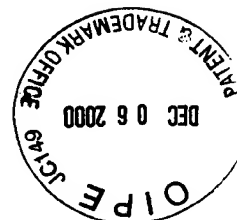


Applicant or Patentee: Mark I. Greene, Ramachandran Murali, Kazuhiro Aoki, William Carle Horne and Roland Baron

Serial or Patent No.: 09/627,775

Attorney's Docket No.: UPN-3832

Date Filed or Issued: July 28, 2000



For: METHODS OF INHIBITING OSTEOCLASTOGENESIS

**VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY STATUS
(37 CFR 1.9(f) and 1.27(d)) - NONPROFIT ORGANIZATION**

I hereby declare that I am an official empowered to act on behalf of the nonprofit organization identified below:

NAME OF ORGANIZATION
ADDRESS OF ORGANIZATION

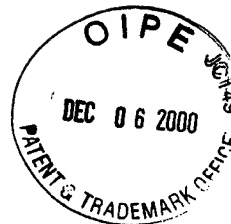
Yale University
155 Whitney Avenue, Room 210
P.O. Box 208336
New Haven, CT 06520-8336

TYPE OF ORGANIZATION:

- ☒ **UNIVERSITY OR OTHER INSTITUTION OF HIGHER EDUCATION**
- ☐ **TAX EXEMPT UNDER INTERNAL REVENUE SERVICE CODE (26 USC 501(a) and 501(c)(3))**
- ☐ **NONPROFIT SCIENTIFIC OR EDUCATIONAL ORGANIZATION QUALIFIED UNDER A NONPROFIT ORGANIZATION STATUTE OF A STATE OF THE UNITED STATES OF AMERICA**
(NAME OF STATE ____)
(CITATION OF STATUTE ____)
- ☐ **WOULD QUALIFY AS TAX EXEMPT UNDER INTERNAL REVENUE SERVICE CODE (26 USC 501(a) and 501(c)(3)) IF LOCATED IN THE UNITED STATES OF AMERICA**
- ☐ **WOULD QUALIFY AS A NONPROFIT SCIENTIFIC OR EDUCATIONAL ORGANIZATION QUALIFIED UNDER A NONPROFIT ORGANIZATION STATUTE OF A STATE OF THE UNITED STATES OF AMERICA IF LOCATED IN THE UNITED STATES OF AMERICA**
(NAME OF STATE ____)
(CITATION OF STATUTE ____)

I hereby declare that the nonprofit organization identified above qualifies as a nonprofit organization as defined in 37 CFR 1.9(e) for purposes of paying reduced fees under section 41(a) and (b) of Title 35, United States Code with regard to the invention entitled **METHODS OF INHIBITING OSTEOCLASTOGENESIS** by inventor(s) **Mark I. Greene, Ramachandran Murali, Kazuhiro Aoki, William Carle Horne and Roland Baron** described in

- () the specification filed herewith.
(XX) application serial no. 09/627,775, filed July 28, 2000
() patent no. _____, issued _____



I hereby declare that rights under contract or law have been conveyed to and remain with the nonprofit organization with regard to the above identified invention

If the rights held by the nonprofit organization are not exclusive, each individual, concern or organization having rights to the invention is listed below* and no rights to the invention are held by any person, other than the inventor, who would not qualify as an independent inventor under 37 CFR 1.9(c) if that person made the invention, or by any concern which would not qualify as a small business concern under 37 CFR 1.9(d) or a nonprofit organization under 37 CFR 1.9(e)

***NOTE:** Separate verified statements are required from each named person, concern or organization having rights to the invention averring to their status as small entities.
(37 CFR 1.27)

FULL NAME: University of Pennsylvania
ADDRESS: 3700 Market Street, Suite 300
Philadelphia, PA 19104-3147

() **INDIVIDUAL** () **SMALL BUSINESS CONCERN** (X) **NONPROFIT ORGANIZATION**

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate.
(37 CFR 1.28(b))

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

NAME OF PERSON SIGNING
TITLE IN ORGANIZATION
ADDRESS OF PERSON SIGNING

Kara McCarthy Casey, Esq.
Manager, Intellectual Property Affairs

Kara McCarthy Casey
SIGNATURE

9/12/00
DATE

Applicant or Patentee: Mark I. Greene, Ramachandran Murali, Kazuhiro Aoki, William Carle Horne and Roland Baron

Serial or Patent No.: 09/627,775

Attorney's Docket No.: UPN-3832

Date Filed or Issued: July 28, 2000

For: METHODS OF INHIBITING OSTEOCLASTOGENESIS

**VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY STATUS
(37 CFR 1.9(f) and 1.27(d)) - NONPROFIT ORGANIZATION**

I hereby declare that I am an official empowered to act on behalf of the nonprofit organization identified below:

NAME OF ORGANIZATION
ADDRESS OF ORGANIZATION

University of Pennsylvania
3700 Market Street, Suite 300
Philadelphia, PA 19104-3147

TYPE OF ORGANIZATION:

- ☒ **UNIVERSITY OR OTHER INSTITUTION OF HIGHER EDUCATION**
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- ☐ **NONPROFIT SCIENTIFIC OR EDUCATIONAL ORGANIZATION QUALIFIED UNDER A NONPROFIT ORGANIZATION STATUTE OF A STATE OF THE UNITED STATES OF AMERICA**
(NAME OF STATE ____)
(CITATION OF STATUTE ____)
- ☐ **WOULD QUALIFY AS TAX EXEMPT UNDER INTERNAL REVENUE SERVICE CODE (26 USC 501(a) and 501(c)(3)) IF LOCATED IN THE UNITED STATES OF AMERICA**
- ☐ **WOULD QUALIFY AS A NONPROFIT SCIENTIFIC OR EDUCATIONAL ORGANIZATION QUALIFIED UNDER A NONPROFIT ORGANIZATION STATUTE OF A STATE OF THE UNITED STATES OF AMERICA IF LOCATED IN THE UNITED STATES OF AMERICA**
(NAME OF STATE ____)
(CITATION OF STATUTE ____)

I hereby declare that the nonprofit organization identified above qualifies as a nonprofit organization as defined in 37 CFR 1.9(e) for purposes of paying reduced fees under section 41(a) and (b) of Title 35, United States Code with regard to the invention entitled **METHODS OF INHIBITING OSTEOCLASTOGENESIS** by inventor(s) **Mark I. Greene, Ramachandran Murali, Kazuhiro Aoki, William Carle Horne and Roland Baron** described in

- () the specification filed herewith.
(XX) application serial no. 09/627,775, filed July 28, 2000
() patent no. , issued



I hereby declare that rights under contract or law have been conveyed to and remain with the nonprofit organization with regard to the above identified invention.

If the rights held by the nonprofit organization are not exclusive, each individual, concern or organization having rights to the invention is listed below* and no rights to the invention are held by any person, other than the inventor, who would not qualify as an independent inventor under 37 CFR 1.9(c) if that person made the invention, or by any concern which would not qualify as a small business concern under 37 CFR 1.9(d) or a nonprofit organization under 37 CFR 1.9(e).

***NOTE: Separate verified statements are required from each named person, concern or organization having rights to the invention averring to their status as small entities. (37 CFR 1.27)**

FULL NAME: Yale University
ADDRESS: 155 Whitney Avenue, Room 210
P.O. Box 208336
New Haven, CT 06520-8336

() INDIVIDUAL () SMALL BUSINESS CONCERN (X) NONPROFIT ORGANIZATION

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.28(b))

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

NAME OF PERSON SIGNING
TITLE IN ORGANIZATION
ADDRESS OF PERSON SIGNING

Alfred J. Glessner
Director of Operations and Licensing

Alfred J. Glessner
SIGNATURE

27 SEP 2000
DATE

DOCKET NO. UPN-3832\L-2091



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Mark I. Greene, Ramachandran Murali,
Kazuhiro Aoki, William Carle Horne and
Roland Baron

Group Art Unit: 1646

Serial No.: 09/627,775

Examiner: Not Assigned

Filed: July 28, 2000

For: METHODS OF INHIBITING
OSTEOCLASTOGENESIS

Assistant Commissioner for Patents
Washington DC 20231

Sir:

ASSOCIATE POWER OF ATTORNEY

The undersigned, of the firm WOODCOCK WASHBURN KURTZ
MACKIEWICZ & NORRIS LLP, One Liberty Place - 46th Floor, Philadelphia, Pennsylvania
19103, Attorney and/or Agents for Applicant(s), hereby appoints the following:

Robert B. Washburn	Registration No. 16,574	David A. Cherry	Registration No. 35,099
Richard E. Kurtz	Registration No. 19,263	Terence P. Strobaugh	Registration No. 25,460
John J. Mackiewicz	Registration No. 19,709	Lynn A. Malinoski	Registration No. 38,788
Norman L. Norris	Registration No. 24,196	Michael J. Swope	Registration No. 38,041
Dale M. Heist	Registration No. 28,425	Michael J. Bonella	Registration No. 41,628
John W. Caldwell	Registration No. 28,937	Harold H. Fullmer	Registration No. 42,560
Gary H. Levin	Registration No. 28,734	William R. Richter	Registration No. 43,879
Steven J. Rocci	Registration No. 30,489	John E. McGlynn	Registration No. 42,863
Dianne B. Elderkin	Registration No. 28,598	Jonathan M. Waldman	Registration No. 40,861
John P. Donohue, Jr.	Registration No. 29,916	Chad Ziegler	Registration No. 44,273
Henrik D. Parker	Registration No. 31,863	David N. Farsiou	Registration No. 44,104
Suzanne E. Miller	Registration No. 32,279	Paul K. Legaard	Registration No. 38,534
Lynn B. Morreale	Registration No. 32,842	Maureen S. Gibbons	Registration No. 44,121
Mark DeLuca	Registration No. 33,229	Steven H. Meyer	Registration No. 37,189
Joseph Lucci	Registration No. 33,307	Paul B. Milcetic	Registration No. P46,261
Michael P. Dunnam	Registration No. 32,611	Joseph R. Condo	Registration No. 42,431
Michael D. Stein	Registration No. 34,734	Michael K. Jones	Registration No. 41,100
Albert J. Marcellino	Registration No. 34,664	Frank T. Carroll	Registration No. 42,392
David R. Bailey	Registration No. 35,057	Mark J. Rosen	Registration No. 39,822
Doreen Yatko Trujillo	Registration No. 35,719	Mitchell R. Brustein	Registration No. 38,394
Barbara L. Mullin	Registration No. 38,250	Eric H. Vance	Registration No. 47,151
Kevin M. Flannery	Registration No. 35,871	Peter M. Ullman	Registration No. 43,963
Michael P. Straher	Registration No. 38,325	Thomas E. Watson	Registration No. 43,243



DOCKET NO. UPN-3832\L-2091

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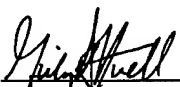
PATENT

Richard B. LeBlanc Registration No. 39,495
Joseph D. Rossi Registration No. 47,039
George J. Awad Registration No. 46,528
Steven D. Maslowski Registration No. 46,905
S. Maurice Valla Registration No. 43,966
Vincent J. Roccia Registration No. 43,887
Robin S. Quartin Registration No. 45,028

Christine A. Goddard Registration No. 46,731
Gregory L. Hillyer Registration No. 44,154
Patrick J. Farley Registration No. 42,524
Ellen M. Klann Registration No. 44,836
Steven B. Samuels Registration No. 37,711
Susan C. Murphy Registration No. 46,221
Roseleen P. Morris Registration No. P47,321

his/her associates with full power to prosecute the above-identified application and to transact all business in the Patent Office connected therewith and requests that correspondence continue to be directed to the firm of WOODCOCK WASHBURN KURTZ MACKIEWICZ & NORRIS LLP at the above address.

Date: *December 4, 2000*



Gwilym J.O. Attwell
Registration No. 45,449

Woodcock Washburn Kurtz
Mackiewicz & Norris LLP
One Liberty Place - 46th Floor
Philadelphia PA 19103
Telephone: (215) 568-3100
Facsimile: (215) 568-3439

DOCKET NO. UPN-3832

PATENT



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Mark I. Greene, Ramachandran Murali, Kazuhiro
Aoki, William Carle Horne and Roland Baron

Group Art Unit: Not yet
assigned

For: METHODS OF INHIBITING
OSTEOCLASTOGENESIS

Examiner: Not yet assigned

DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name; and

I believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a

☒ Utility Patent ☐ Design Patent

is sought on the invention, whose title appears above, the specification of which:

☐ is attached hereto.
☒ was filed on _____ as Serial No. _____
☐ said application having been amended on _____

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to be material to the patentability of this application in accordance with 37 CFR § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a-d) of any **foreign application(s)** for patent or inventor's certificate listed below and have also identified below

any foreign application for patent or inventor's certificate having a filing date before that of any application on which priority is claimed:

Priority Claimed (If X'd)	Country	Serial Number	Date Filed
<input type="checkbox"/>	_____	_____	_____
<input type="checkbox"/>	_____	_____	_____
<input type="checkbox"/>	_____	_____	_____
<input type="checkbox"/>	_____	_____	_____

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to be material to patentability as defined in 37 CFR § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

Serial Number	Date Filed	Patented/Pending/Abandoned
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional

PATENT

application(s) listed below:

Date Filed

July 28, 1999

I hereby appoint the following persons of the firm of **WOODCOCK WASHBURN KURTZ MACKIEWICZ & NORRIS LLP**, One Liberty Place - 46th Floor, Philadelphia, Pennsylvania 19103 as attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

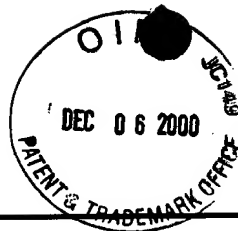
Reg. No. 33,229

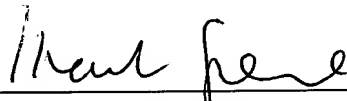
Reg. No. 45,449


Address all telephone calls and correspondence to:

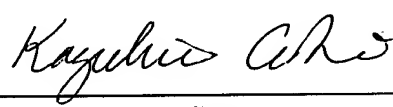
Gwilym J. O. Attwell
WOODCOCK WASHBURN KURTZ
MACKIEWICZ & NORRIS LLP
 One Liberty Place - 46th Floor
 Philadelphia PA 19103
 Telephone No.: **(215) 568-3100**
 Facsimile No.: **(215) 568-3439**

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.



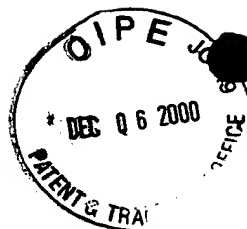
Name: Mark I. Greene	 Signature
Mailing Address: 300 Righters Mill Road Penn Valley Pennsylvania 19072	Date of Signature: <u>Sept. 25/2000</u>
City/State of Actual Residence: Penn Valley, Pennsylvania	Citizenship: <u>United States</u>

Name: Ramachandran Murali	 Signature
Mailing Address: 41-6 Revere Road Drexel Hill, Pennsylvania 19026	Date of Signature: <u>Sep 26, 2000</u>
City/State of Actual Residence: Drexel Hill, Pennsylvania 19026	Citizenship: <u>India</u>

Name: Kazuhiro Aoki	 Signature
Mailing Address: 3-10-10-807 Izumi-cho Narashino-shi Chiba 275-0006 JAPAN	Date of Signature: <u>October 27, 2000</u> <u>September 14, 2000</u>
City/State of Actual Residence: Chiba 275-0006 JAPAN	Citizenship: <u>Japanese</u>

DOCKET NO. UPN-3832

- 5 -



PATENT

Name: William Carle Horne	<u>William C. Horne</u> Signature
Mailing Address: 246 Pleasant Point Road Branford, CT 06405	Date of Signature: <u>September 29, 2000</u>
City/State of Actual Residence: Branford, CT	Citizenship: <u>United States</u>

Name: Roland Baron	 Signature
Mailing Address: 9 Little Harbor Road Guilford, CT 06437	Date of Signature: _____
City/State of Actual Residence: Guilford, CT 06437	Citizenship: <u>United States</u>

Name:	 Signature
Mailing Address:	Date of Signature: _____
City/State of Actual Residence:	Citizenship: _____

DOCKET NO. UPN-3832

- 4 -



PATENT

Name: Mark I. Greene	Signature Date of Signature: _____ Citizenship: <u>United States</u>
Mailing Address: 300 Righters Mill Road Penn Valley Pennsylvania 19072	
City/State of Actual Residence: Penn Valley, Pennsylvania	

Name: Ramachandran Murali	Signature Date of Signature: _____ Citizenship: <u>India</u>
Mailing Address: 41-6 Revere Road Drexel Hill, Pennsylvania 19026	
City/State of Actual Residence: Drexel Hill, Pennsylvania 19026	

Name: Kazuhiro Aoki	<i>Kazuhiro Aoki</i> Signature
Mailing Address: 3-10-10-807 Izumi-cho Narashino-shi Chiba 275-0006 JAPAN	Date of Signature: <u>September 29,</u> 2000
City/State of Actual Residence: Chiba 275-0006 JAPAN	Citizenship: <u>Japanese</u>

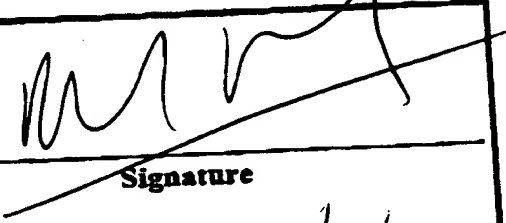


DOCKET NO. UPN-3832

- 5 -

PATENT

Name: William Carle Horne	
Mailing Address: 246 Pleasant Point Road Branford, CT 06405	Signature
City/State of Actual Residence: Branford, CT	Date of Signature: _____ Citizenship: <u>United States</u>

Name: Roland Baron	
Mailing Address: 9 Little Harbor Road Guilford, CT 06437	Signature
City/State of Actual Residence: Guilford, CT 06437	Date of Signature: <u>10/10/00</u> Citizenship: <u>United States</u>

Name:	
Mailing Address:	Signature
City/State of Actual Residence:	Date of Signature: _____ Citizenship: _____